

STATE BUILDING CODE INTERPRETATION NO. 10-JUNE04

CODE: 2009 WSEC

SECTION: 503.10.1

QUESTION: This section states that ducts cannot displace required insulation. Does this section of the WSEC prohibit the installation of register boots through floor insulation and supply and return plenums through garage walls?

ANSWER: No. The intent of this section is to prohibit duct runs in uninsulated exterior wall cavities in multi-story structures. This application results in heat loss to the exterior through the uninsulated wall cavity. In addition, ducts themselves are typically uninsulated, resulting in additional heat loss and potential damage to exterior cladding. Penetrations of floor insulation for supply registers and plenum penetrations between a garage and the house is an acceptable practices.

SUPERSEDES: None

REQUESTED BY: City of Shoreline